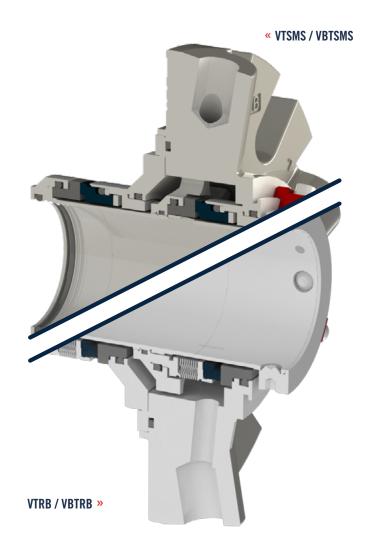


VANTAGE DUAL TANDEM CARTRIDGE SEAL FEATURES

ANSI MULTI-SPRING AND WELDED METAL BELLOWS MECHANICAL SEAL

PRODUCT LINE FEATURES

- Simple cartridge seal installation
- · Sleeve is isolated from process fluid
- 3/8" NPT barrier connection allows for cooling.
- Vantage tandem seal glands include four (4) barrier in and out connections for maximum piping flexibility.
- Angled gland connections allow for easier pipe fitting.
- Setting clips provide positive axial and radial setting of the Vantage cartridge seal to ensure proper seal installation. The Vantage setting clips are easy to access for simple removal.
- Only one Allen wrench required to tighten screws and remove the setting clips.
- Convertible gland design to accept over twelve (12) design configurations



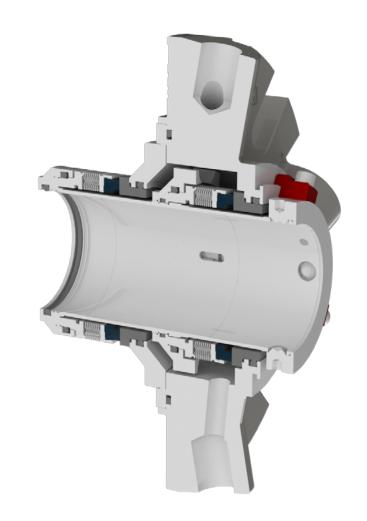


VTRB / VBTRB

ANSI DUAL TANDEM ROTATING WELDED METAL BELLOWS CARTRIDGE MECHANICAL SEAL

FEATURES

- · Rotating design uses centrifugal force for self-cleaning
- Uniform 360° transfer of torque to the rotating face
- · Welded metal bellows replace the dynamic elastomer which can hang up the seal faces
- No springs to clog or break
- No fretting
- Static elastomers eliminate seal failures caused by dynamic O-ring "hang up" and offers cost savings when upgrading to Perfluorelastomers.
- Available in ANSI Big/Taper and Standard Bore



Materials of Construction

Rotating Seal Face	Carbon, Tungsten Carbide, Sintered Silicon Carbide
Stationary Seal Face	Sintered Silicon Carbide
Bellows	Hastelloy® C276
Metallurgy	316 SS
Elastomers	Viton®, Ethylene Propylene, Aflas®, Buna, Neoprene, Perfluorelastomer
Gland Gasket	Glass-Filled Teflon™
Throttle Bushing	Glass-Filled Teflon™

Operating Parameters

Temperature	400° F (200°C)
Pressure	300 PSI (20 Bar)
Speed	6000 FPM

* Maximum temperature/speed/pressure/runout indicates operating extremes independently and does not imply the seal will function at these extremes at the same time.

Registered Trademarks:

Viton® - Dupont Performance Elastomers; Aflas® - Asahi Glass Co.; Teflon® - E.I. Dupont de Nemours and Co; Hastelloy® - Haynes International, Inc.



VANTAGE TANDEM CARTRIDGE FEATURES

DESIGN FEATURES & BENEFITS

